

Agenda item 4: Energizing sustainability: Committee on Sustainable Energy's priorities and resource management matters

Iva Brkic, Secretary of the Committee
on Sustainable Energy



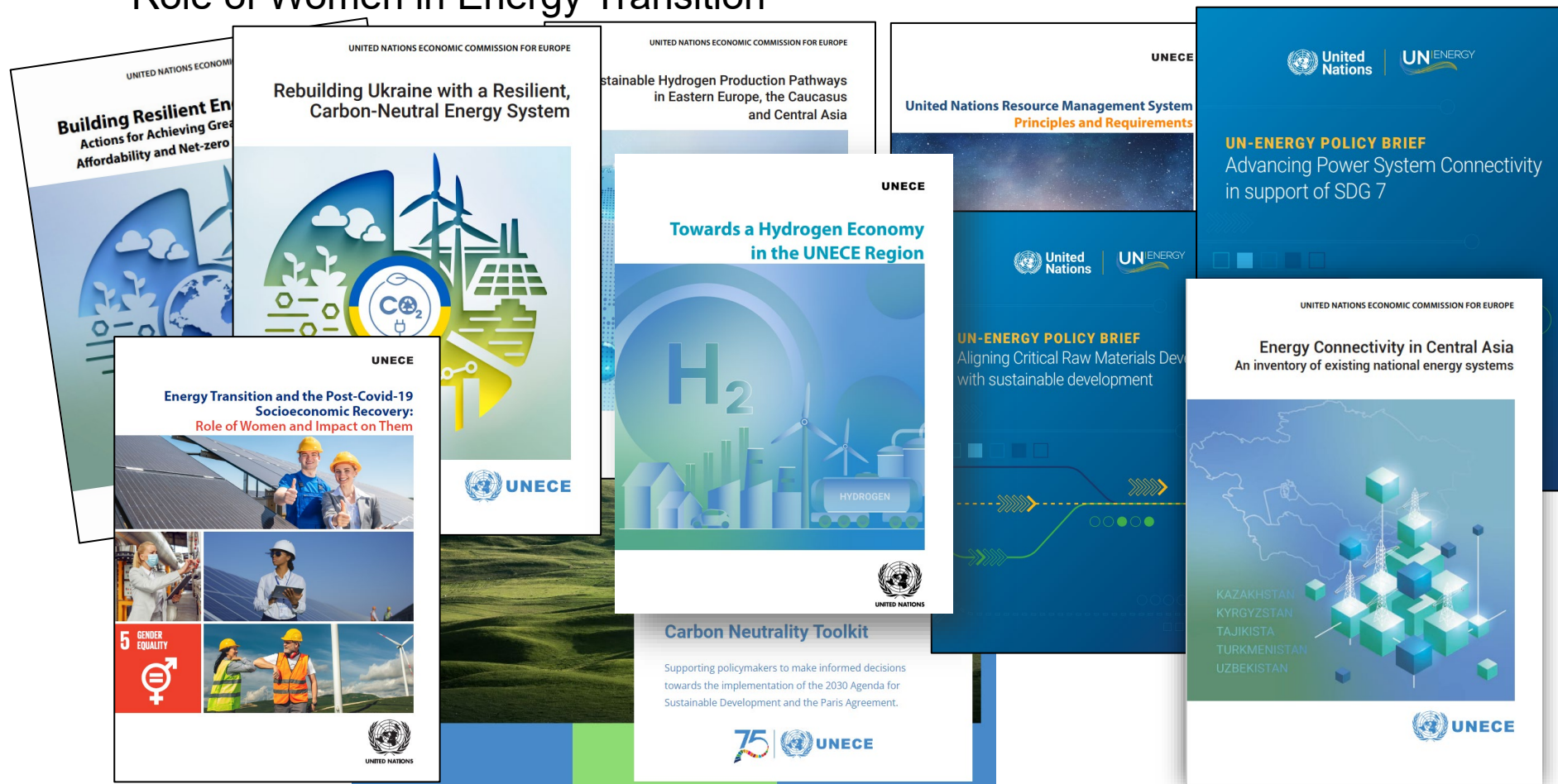
RESOURCE MANAGEMENT WEEK
2024



UNECE

Key achievements 2023-2024

- **Developed cross-thematic knowledge to produce joint papers and events on key, complex topics:** Building Resilient Energy Systems, Sustainable Hydrogen Production Pathways, Sustainable Resource Management (UNRMS/UNFC), Critical Raw Materials, Energy Connectivity, Role of Women in Energy Transition



Key achievements 2023-2024 (continued)

- Organized special events and high-level dialogues on the topics of **building resilient energy systems, critical raw materials, climate finance, energy connectivity and digitalization of energy systems.**
- **Organized the 3rd Almaty Energy Forum** (UNECE, UNESCAP and UNDP) and launched the **UNECE – ESCAP Programme on Energy Connectivity in Central Asia** to help countries scale renewable energy capacity and design and build and resilient and carbon neutral energy systems in Central Asia.
- **ECOSOC Resolutions 2023/20 and 78/253** – a strong recognition of the EGRM work on modernizing resource management systems across the UNECE region and beyond



70th SESSION OF THE COMMISSION

DIGITAL AND GREEN TRANSFORMATIONS
FOR SUSTAINABLE DEVELOPMENT
IN THE REGION OF THE ECONOMIC COMMISSION FOR EUROPE
18-19 APRIL 2023 | PALAIS DES NATIONS | GENEVA

UNECE RESOURCE MANAGEMENT WEEK 2023
ASSURING SUSTAINABILITY IN RESOURCE MANAGEMENT
25 - 28 APRIL 2023 | PALAIS DES NATIONS | GENEVA



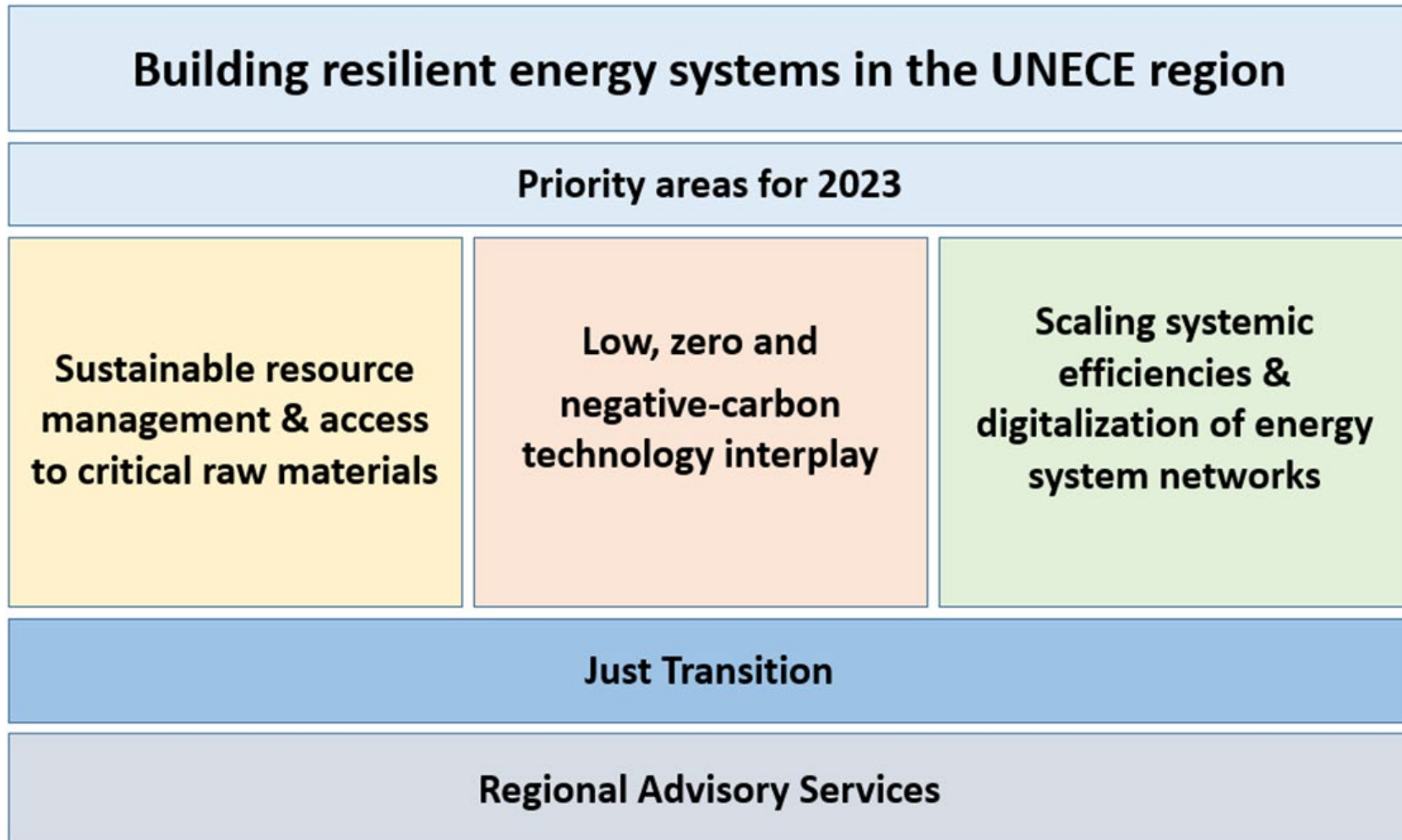
HIGH-LEVEL POLITICAL FORUM 2023

Under the auspices of ECOSOC

10 - 19 July 2023 | New York



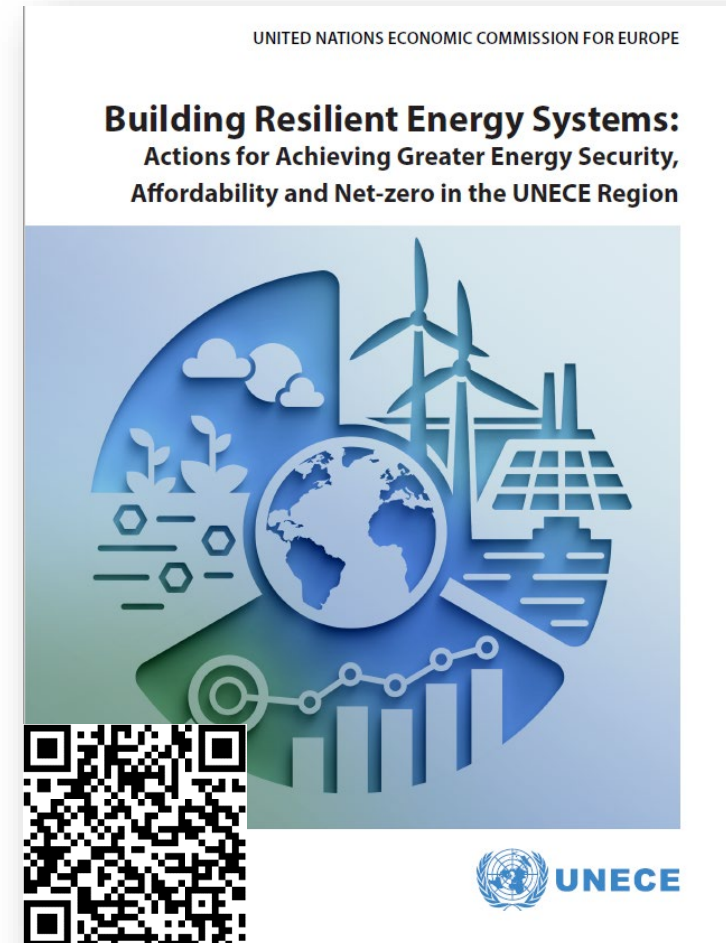
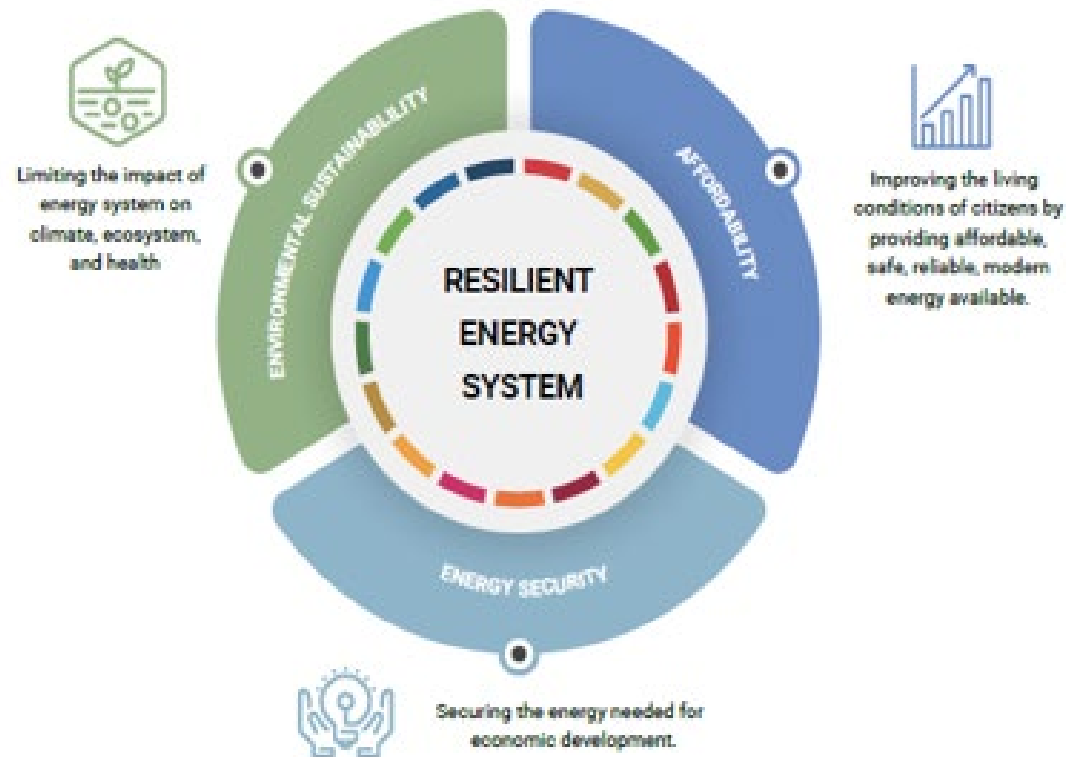
Key Areas of Work



2024: building resilient Energy Systems

Technical Considerations and Actions for Achieving Energy Security, Affordability, and Sustainability Net-Zero for Europe, North American and Central Asia

What is a resilient energy system?



Platform on Resilient Energy Systems



Demo EnergyChat in partnership with University of Zurich and International Organizations



Ask from trusted resources
(UNECE, WMO, IPCC, IEA, IAEA, OSCE)

Could we reach net zero targets without nuclear energy?

>

gpt-3.5-turbo gpt-4

Responses:

- WMO
- IPCC
- UNECE
- OSCE
- IEA
- IAEA
- Summary



Looking ahead: 2024

Top Priority Activities (continued)

Methane management

- Reducing coal mine methane emission **from active and abandoned coal mines**
- Measure and manage methane emissions **across the natural and gas value chains**
- **Making impact in the UNECE subregions:** methane mitigation in Central Asia and the Caucasus, regions of key importance for global emission reduction efforts.

Building on the conclusions and recommendations from the [Global Methane Forum](#) organized by United Nations Economic Commission for Europe (UNECE) and the [Global Methane Initiative](#) (GMI), in partnership with the [Global Methane Hub](#) and the [Climate and Clean Air Coalition](#) (CCAC).



Looking ahead: 2024

Top Priority Activities (continued)

Accelerate activities on Sustainable Resource Management

- Support UNECE member States in priority **deployment of UNFC**
- Continue **development of UNRMS** with a focus on the extraction, sustainability and procurement of **Critical Raw Materials and Resource Efficiency**, i.a. with focus on Central Asia
- **ICE-SRMs** in Russia, UK and Mexico (for Latin America and Caribbean). Planned in Kazakhstan/Central Asia, Slovenia for EU, Africa, India and in East & SE Asia.

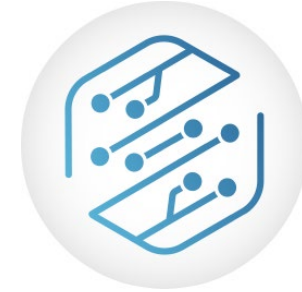


Acting on the conclusions and recommendations from the UNECE Resource Management Week and to continue promoting the [United Nations Framework Classification for Resources \(UNFC\)](#) and the [United Nations Resource Management System \(UNRMS\)](#) and their pivotal role in resource management worldwide.

Looking ahead: 2024

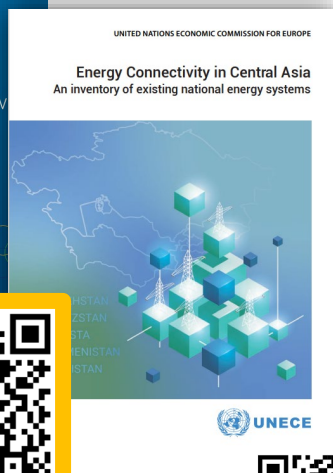
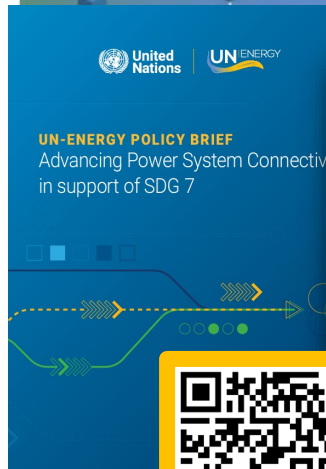
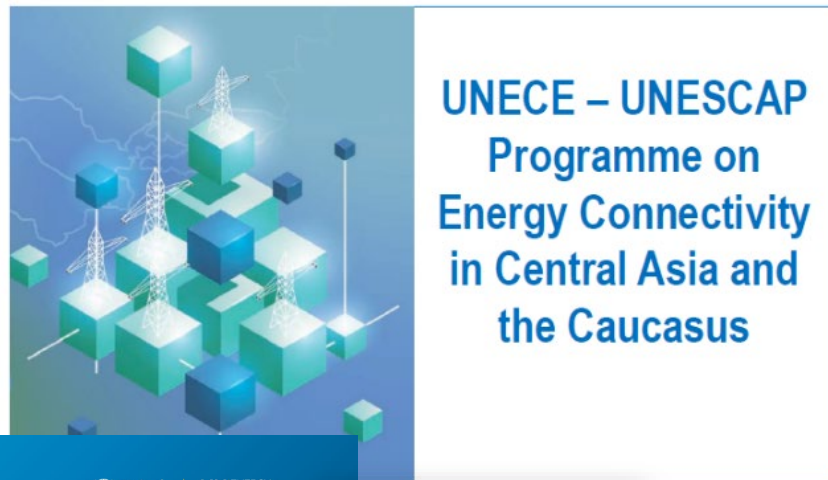
Top Priority Activities (continued)

Energy Efficiency and Digitalization in Energy



- Joint activities with on new technologies for systemic energy efficiencies:
 - **UNECE & ESCWA:** a flagship publication “The Role of Blockchain in the Sustainable Energy Transition in the Arab Region”
 - **UNECE & ESCAP:** an ongoing activity on “Driving the Energy Transition: Connectivity, Digitalization and Artificial Intelligence”
 - **UNECE, ITU & other International Organizations** the first United Nations Virtual Worlds and Metaverse Day (Geneva, 14 June 2024)
- **UNECE Task Force on Digitalization** is working on a series of case studies that focus on governance of energy system digitalization, use of Artificial Intelligence in the energy systems and behavioural aspects of energy system digitalization

Looking ahead: 2024 Top Priority Activities (continued)



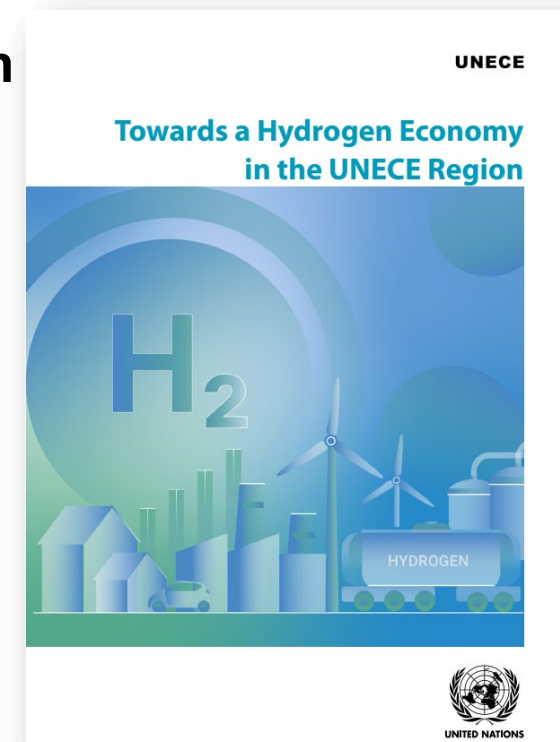
Key Programme activities:

- development of scenarios and a **roadmap** for a regionally **interconnected energy system** in **Central Asia**
- development of a subregional roadmap to **inform multilateral power trading**
- development of **tools for a resilient and interconnected power systems** in **Uzbekistan, Kazakhstan and Georgia**

Looking ahead: 2024 Top Priority Activities (continued)

Support the development of a Hydrogen Ecosystem

- UNECE Task Force on Hydrogen coordinates efforts and developed:
 - a comprehensive **classification for hydrogen**
 - specifications for **UNFC/UNRMS application** to hydrogen projects and production technologies, if/where appropriate
- Launched the publication “Towards a Hydrogen Economy in the UNECE Region” that looks at hydrogen classification based on technology-neutral, quantified greenhouse gas emissions intensity levels of hydrogen production options.



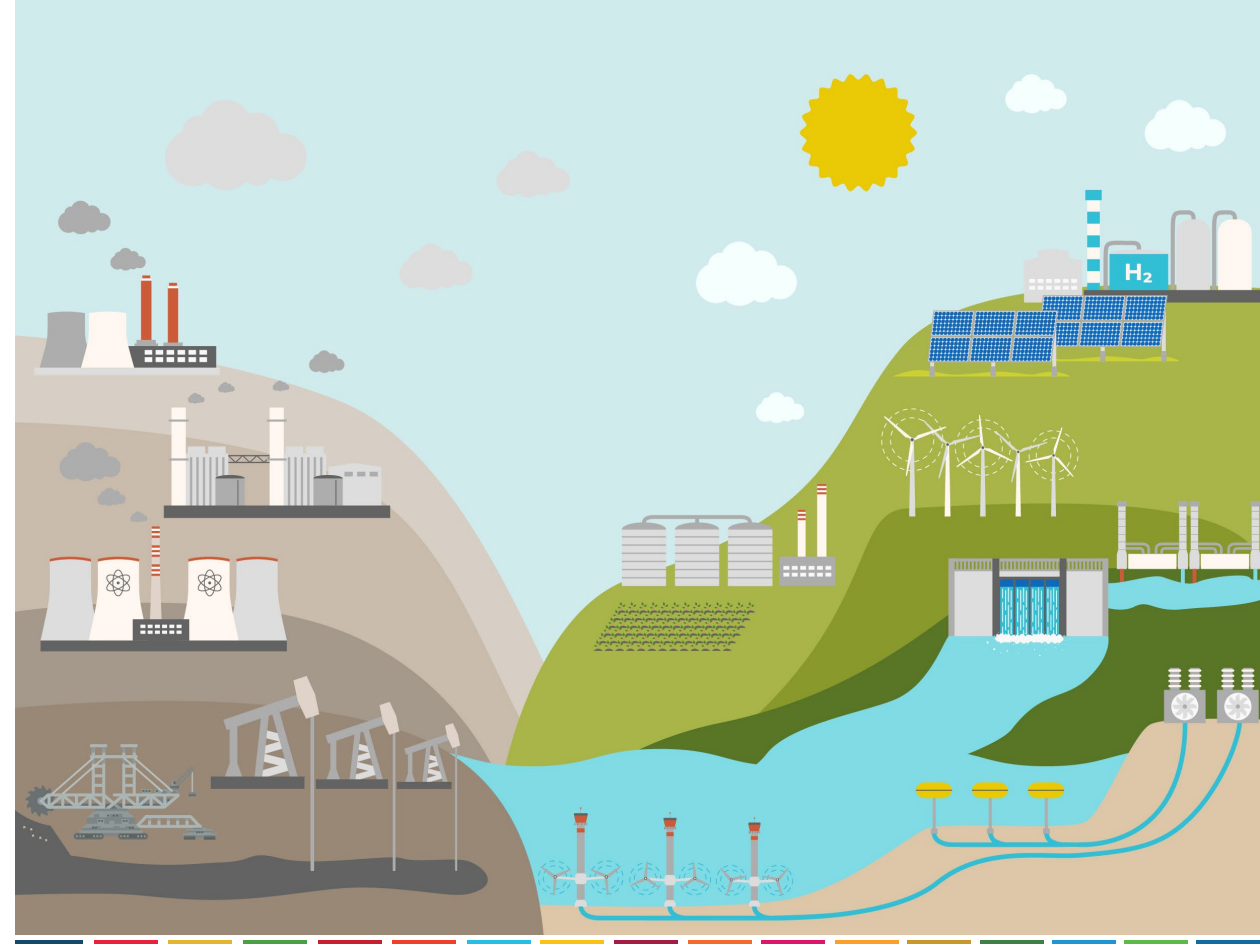
THE VIEWS EXPRESSED ARE THOSE OF THE AUTHOR AND DO NOT
NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS.

Thank you!

Iva Brkic
Secretary, Committee on Sustainable Energy

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Date 22 | 04 | 2024, Geneva



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